

Guanosine Modifications used in the study

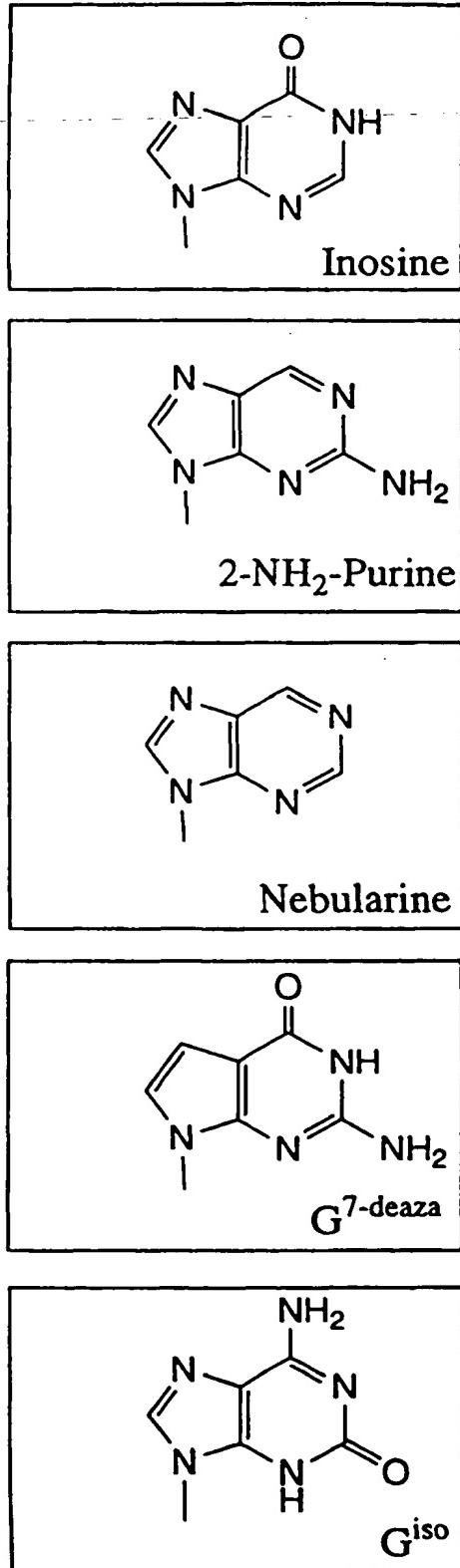
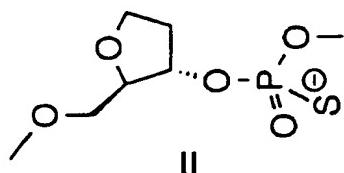


FIG. 1A

5'-NNNNX1X2CGX3X4NNNNN-3'.

Abasic (1', 2'-deoxyribose)



Oligo 91-3 : $X_1 = R, X_2 = A, X_3 = T, X_4 = T$

R = $\begin{matrix} O \\ || \\ O=P \\ | \\ SO_3^- \end{matrix}$

Oligo 91-4: $X_2 = R, X_1 = G, X_3 = T, X_4 = T$

FIG. 1B-1

5'-NNNNNX1X2CGX3X4NNNN-3'.

Abasic (1,3-propanedio)

Oligo 109-4 : $X_1 = R$, $X_2 = A$, $X_3 = T$, $X_4 = T$

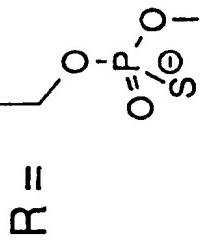
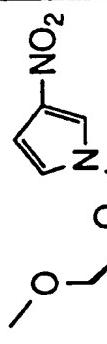


FIG. 1B-2

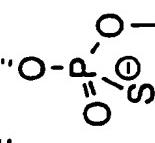
5'-NNNNX1X2CGX3X4NNNN-3'.

3-Nitopyrrole



Oligo 105-4 : $X_1 = R, X_2 = A, X_3 = T, X_4 = T$

$R =$



Oligo 105-3: $X_2 = R, X_1 = G, X_3 = T, X_4 = T$

FIG. 1B-3

5'-NNNNX1X2CGX3X4NNNN-3'.

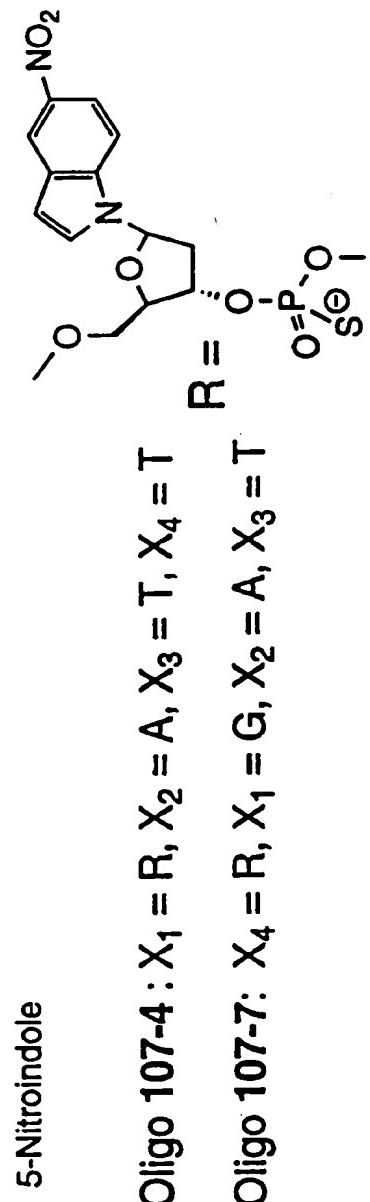


FIG. 1B-4

1',2'-Dideoxyribose Substitution

HYB No.	Sequences and Modification (5'-3')	Batch No.
HYB1158	CTATCT <u>GACGTT</u> CTCTGT	D7-131-1
HYB1160	CTAXXTGACGTTCTCTGT	D7-131-12
HYB1161	CTATCTGAXGTTCTCTGT	D7-131-13

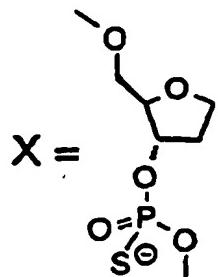


FIG. 2A

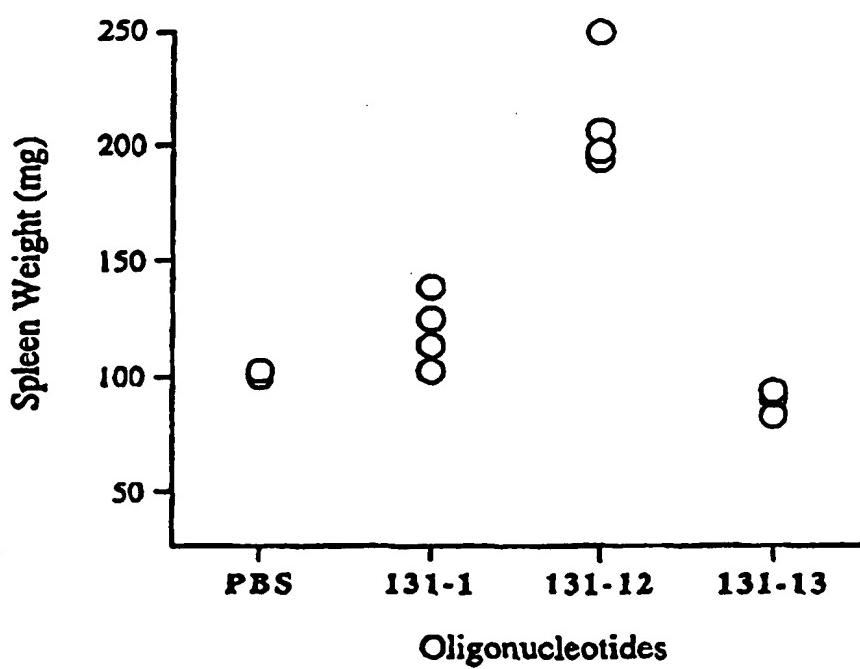
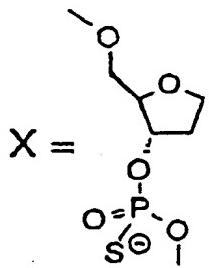
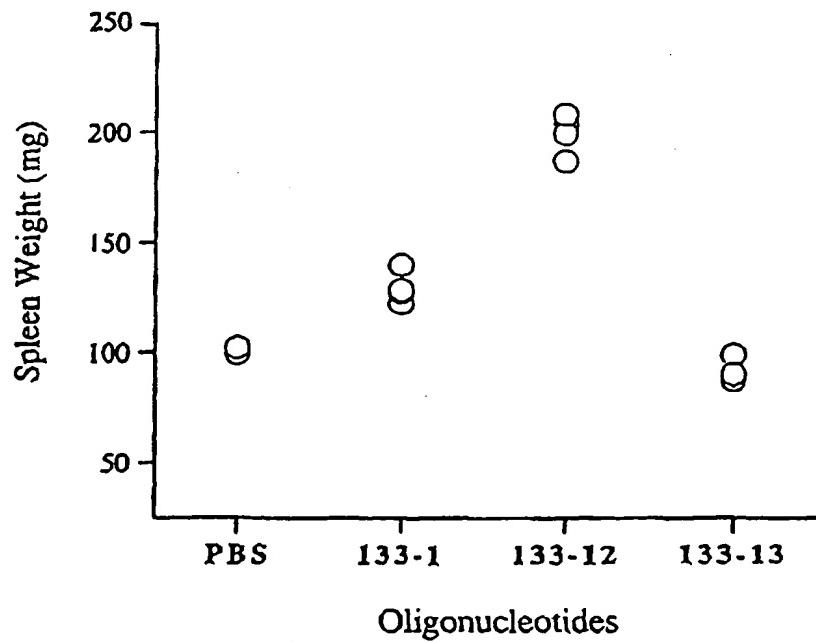


FIG. 2B

1',2'-Dideoxyribose Substitution

HYB No.	Sequences and Modification (5'-3')	Batch No.
HYB1159	CCTACTAG <u>C</u> GTTCTCATC	D7-133-1
HYB1162	CCTXXTAGCGTTCTCATC	D7-133-12
HYB1163	CCTACTAGXGTTCTCATC	D7-133-13

**FIG. 3A****FIG. 3B**